

WE CLAIM

1. An insert for attachment to a jaw of a jaw-type occlusion device,
comprising:
 - 5 an attaching structure for attaching the insert to the jaw;
 - a compliant cushion secured to the attaching structure and having a surface; and
 - a flexible non-compliant surface overlay secured onto the cushion surface for engagement with a vessel or other body tissue.
- 10 2. The insert of claim 1 wherein the surface overlay entirely covers the cushion surface.
3. The insert of claim 1 wherein the surface overlay includes a
15 series of notches extending along sides of the overlay to provide for increased [lateral] flexibility of the overlay.
4. The insert of claim 1 wherein the overlay is formed of metal.
- 20 5. The insert of claim 4 wherein the overlay is perforated.
6. The insert of claim 5 wherein perforations in the metal are formed by punching holes through the metal.
- 25 7. The insert of claim 1 wherein the overlay is formed of a thermoplastic.
8. The insert of claim 1 wherein the overlay includes surface irregularities.

9. The insert of claim 1 wherein the overlay further includes protrusions extending from the overlay for providing increased traction with an engaged vessel or body tissue.
- 5 10. The insert of claim 11 wherein the protrusions further comprise a plurality of columns extending from the overlay in a direction generally perpendicular to the cushion surface.
- 10 11. An insert for attachment to a jaw of a jaw-type occlusion device, the jaw having a channel or cavity extending longitudinally therein, the insert comprising:
- a compliant cushion having a surface;
- a flexible elongate attachment member having a securing portion configured to extend through the jaw channel or cavity; and
- 15 a flexible non-complaint surface overlay secured onto the cushion surface for engagement with a vessel or other body tissue.
12. The insert of claim 11 wherein the surface overlay entirely covers the cushion surface.
- 20 13. The insert of claim 11 wherein the surface overlay includes a series of notches extending along sides of the overlay to provide for increased flexibility of the overlay.
- 25 14. The insert of claim 11 wherein the overlay is formed of metal.
15. The insert of claim 14 wherein the overlay is perforated.
16. The insert of claim 15 wherein perforations in the metal are
- 30 formed by punching holes through the metal.

17. The insert of claim 11 wherein the overlay is formed of a thermoplastic.
18. The insert of claim 11 wherein the overlay includes surface irregularities.
19. The insert of claim 11 wherein the overlay further includes protrusions extending from the overlay for providing increased traction with an engaged vessel or body tissue.
20. The insert of claim 19 wherein the protrusions further comprise a plurality of columns extending from the overlay in a direction generally perpendicular to the cushion surface.
21. An insert for attachment to a jaw of a jaw-type occlusion device, comprising:
an attaching structure for attaching the insert to the jaw;
a compliant cushion secured to the attaching structure and having a surface; and
a flexible non-complaint surface overlay secured onto the cushion surface for engagement with a vessel or other body tissue, the overlay being formed of a metal that extends over the entire cushion surface.
22. The insert of claim 21 wherein the metal is perforated.
23. The insert of claim 21 wherein the overlay includes surface irregularities.
24. The insert of claim 21 wherein the surface overlay further includes a series of notches extending along sides of the overlay to provide for increased flexibility of the overlay.

25. An insert for attachment to a jaw of a jaw-type occlusion device,
comprising:
an attaching structure for attaching the insert to the jaw;
5 a compliant cushion secured to the attaching structure and having a
surface; and
a flexible non-complaint surface overlay secured onto the cushion
surface for engagement with a vessel or other body tissue, the overlay being
formed of a thermoplastic and further including a plurality of protrusions
10 extending from the overlay in a direction generally perpendicular to the
cushion surface for increased traction with an engaged vessel or body tissue.

26. The insert of claim 25 wherein the surface overlay further
includes a series of notches extending along sides of the overlay to provide
15 for increased flexibility of the overlay.

27. An insert for attachment to a jaw of a jaw-type occlusion device,
comprising:
a compliant cushion having first and second surfaces, the second
20 surface being adapted for releasable attachment to the jaw; and
a flexible non-compliant surface overlay secured onto the first surface
of the cushion, the overlay adapted for engagement with a vessel or other
body tissue.

25 28. The insert of claim 27 wherein the surface overlay entirely
covers the first surface of the cushion.

29. The insert of claim 27 wherein the surface overlay includes a
series of notches extending along sides of the overlay to provide for increased
30 flexibility of the overlay.

30. The insert of claim 27 wherein the overlay is formed of metal.
31. The insert of claim 30 wherein the overlay is perforated.
- 5 32. The insert of claim 31 wherein perforations in the metal are formed by punching holes through the metal.
33. The insert of claim 27 wherein the overlay is formed of a thermoplastic.
- 10 34. The insert of claim 27 wherein the overlay includes surface irregularities.
- 15 35. The insert of claim 27 wherein the overlay further includes protrusions extending from the overlay for providing increased traction with an engaged vessel or body tissue.
- 20 36. The insert of claim 35 wherein the protrusions further comprise a plurality of columns extending from the overlay in a direction generally perpendicular to the cushion surface.